

Method of interrogating a radar responder and responder for implementing the method

Patent Number: FR2707015

Publication date: 1994-12-30

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Requested Patent: ☐ FR2707015

Application Number: FR19910014548 19911126

Priority Number(s): FR19910014548 19911126

IPC Classification: G01S13/80

EC Classification: G01S13/78, G01S13/76R

Equivalents:

Abstract

The present invention relates to a method of interrogating a radar responder and responder for implementing the method. According to the invention, the interrogation signals are sent by at least one radar with recurrent period TR_i , and spaced from each other by a time interval chosen from the set $\{TR_i - \epsilon, TR_i + \epsilon\}$, the value of the parameter ϵ being specific to the responder for which the interrogation signals are intended. A radar responder according to the invention thus comprises a device (5") for checking whether the signals which it receives are spaced by a duration belonging to the preceding set. The invention is particularly beneficial for real-time monitoring of the trajectory of various moving units on a

firing trials range. 

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